

**AMENDMENTS TO THE CLAIMS**

**1. (Currently amended)** A method for evaluating the physiological activity of an external stimulus on living cells by means of a surface plasmon resonance analyzer, which comprises:

immobilizing the living cells on a surface plasmon resonance analyzer;~~continuously measuring a primary signal and a secondary signal appearing after the primary signal when the ;~~  
applying the external stimulus is given to the living cells; and;  
continuously measuring a primary signal, which appears upon application of the external stimulus, and measuring a secondary signal, which appears after elimination of the external stimulus; and

evaluating the physiological activity of the external stimulus on the cells with an indication of the secondary signal.

**2. (Cancelled)**